

PTO-1449 REPRODUCED

ATTORNEY DOCKET NO.
1021.2004-001APPLICATION NO.
10/804,848INFORMATION DISCLOSURE CITATION
IN AN APPLICATIONFIRST NAMED INVENTOR
Yi Hua MaFILING DATE
March 19, 2004

NOV 05 2004 November 2, 2004

EXAMINER
Not assignedCONFIRMATION NO.
7504GROUP
1724

PATENT & TRADEMARK OFFICE

See several sheets if necessary)

U.S. PATENT DOCUMENTS


EXAM- INER INI- TIAL	REF. NO.	DOCUMENT NUMBER Number-Kind Code (if known)	ISSUE DATE / PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT
72	AA	2,958,391	11-01-1960	deRosset
	AB	3,413,777	12-03-1968	Langley, <i>et al.</i>
	AC	3,428,476	02-18-1969	Langley, <i>et al.</i>
	AD	4,496,373	01-29-1985	Behr, <i>et al.</i>
	AE	4,589,891	05-20-1986	Iniotakis, <i>et al.</i>
	AF	5,049,167	09-17-1991	Castro, <i>et al.</i>
	AG	5,139,541	08-18-1992	Edlund
	AH	5,205,841	04-27-1993	Vaiman
	AI	5,215,729	06-01-1993	Buxbaum
	AJ	5,217,506	06-08-1993	Edlund, <i>et al.</i>
	AK	5,258,339	11-02-1993	Ma, <i>et al.</i>
	AA2	5,259,870	11-09-1993	Edlund
	AB2	5,358,553	10-25-1994	Najjar, <i>et al.</i>
	AC2	5,393,325	02-28-1995	Edlund
	AD2	5,451,386	09-19-1995	Collins, <i>et al.</i>
	AE2	5,449,848	09-12-1995	Itoh
	AF2	5,498,278	03-12-1996	Edlund
	AG2	5,614,001	03-25-1997	Kosaka, <i>et al.</i>
	AH2	5,652,020	07-29-1997	Collins, <i>et al.</i>
	AI2	5,738,708	04-14-1998	Peachey, <i>et al.</i>
	AJ2	5,782,959	07-21-1998	Yang, <i>et al.</i>
	AK2	5,782,960	06-21-1998	Ogawa, <i>et al.</i>
	AA3	5,904,754	05-18-1999	Juda, <i>et al.</i>
	AB3	6,152,987	11-28-2000	Ma, <i>et al.</i>
	AC3	6,152,995	11-28-2000	Edlund
72	AD3	6,183,542	06-06-2001	Bossard

EXAMINER

Frank Lawrence

DATE CONSIDERED


4-27-06

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		EXAMINER Not assigned		CONFIRMATION NO. 7504	

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EXAM- INER INI- TIAL	REF. NO.	DOCUMENT NUMBER Number-Kind Code (if known)	ISSUE DATE / PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT
<i>sf</i>	AE3	6,267,801	07-31-2001	Baake, <i>et al.</i>
<i> </i>	AF3	6,372,363	06-16-2002	Krueger
<i> </i>	AG3	6,379,524 B1	04-30-2002	Lee, <i>et al.</i>
<i> </i>	AH3	6,419,728	06-12-2002	Edlund
<i> </i>	AJ3	6,475,268	11-05-2002	Thornton
<i> </i>	AJ3	6,547,858	04-15-2003	Edlund, <i>et al.</i>
<i> </i>	AK3	6,596,057	07-22-2003	Edlund, <i>et al.</i>
<i> </i>	AA4	4,056,373	11-01-1977	Rubin
<i> </i>	AB4	5,672,388	09-30-1997	McHenry, <i>et al.</i>
<i> </i>	AC4	2002/083829 A1	07-04-2002	Edlund, <i>et al.</i>
<i>sf</i>	AD4	2002/0164496 A1	11-07-2002	Saloka, <i>et al.</i>

FOREIGN PATENT DOCUMENTS					
		DOCUMENT NUMBER Country Code-Number-Kind Code (if known)	DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	TRANSLATION YES NO
<i>sf</i>	AL	EP 1 277 512 A	01-22-2003	Sumitomo Electric Industries	
<i>sf</i>	AM	JP 2000005580 A	11-01-2000	Nippon Metal Ind Co Ltd; Ishikawajima Harima Heavy Ind Co Ltd	X
<i>sf</i>	AN	JP 2000005580 A	11-01-2000	Nippon Metal Ind Co Ltd; Ishikawajima Harima Heavy Ind Co Ltd (Abstract)	
<i>sf</i>	AO	JP 2000005580 A	11-01-2000	Ishikawajima Harima Heavy Ind; Nippon Kinzoku Ind Co Ltd (Derwent Abstract doc. no. XP- 002291004)	
<i>sf</i>	AP	JP 2003290636 A	10-14-2003	NGK Insulators Ltd (Abstract)	X
<i>sf</i>	AQ	WO 03/011433 A1	02-13-2003	Franhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	X

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	EXAMINER Not assigned	CONFIRMATION NO. 7504	GROUP 1724

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
<i>JH</i>	AR	Gryaznov, V. M., "Metal Containing Membranes for the Production of Ultrapure Hydrogen and the Recovery of Hydrogen Isotopes," <i>Separation and Purification Methods</i> (now <i>Separation and Purification Reviews</i>), 29(2):171-187 (2000).
<i>JH</i>	AS	Gryaznov, V. M., <i>et al.</i> , "Preparation and catalysis over Palladium Composite Membranes," <i>Applied Catalysis A: General</i> , 96:15-23 (1993).
<i>JH</i>	AT	Ma, Y. H., <i>et al.</i> , "Characterization of Intermetallic Diffusion Barrier and Alloy Formation for Pd/Cu and Pd/Ag Porous Stainless Steel Composite Membranes," <i>I & EC Research</i> , 43:2936-2945 (2004).
<i>JH</i>	AU	Ma, Y. H., <i>et al.</i> , "Thin Composite Palladium and Palladium/Alloy Membranes for Hydrogen Separation," <i>Ann. N.Y. Acad. Sci.</i> , 984:346 (2003).
<i>JH</i>	AV	Mardilovich, I.P., <i>et al.</i> , "Dependence of Hydrogen Flux on The Pore Size and Plating Surface Topology of Asymmetric Pd-Porous Stainless Steel Membranes," <i>Desalination</i> , 144:85-89 (2002).
<i>JH</i>	AW	Nam, S.-E., <i>et al.</i> , "Hydrogen Separation by Pd Alloy Composite Membranes," <i>J. Membrane Sci.</i> , 192:177-185 (2001).
<i>JH</i>	AX	Ozaki, T., <i>et al.</i> , "Preparation of Palladium-coated V and V-15 Ni Membranes for Hydrogen Purification by Electroless Plating Technique," <i>Int. J. Hydrogen Energy</i> , 28:297 (2003).
<i>JH</i>	AY	Roa, F., "Preparation and Characterization of Pd-Cu Composite Membranes for Hydrogen Separation," <i>Chem. Eng. J.</i> , 93:11 (2003).
<i>JH</i>	AZ	Roa, F., <i>et al.</i> , "The Influence of Alloy Composition on The H ₂ Flux of Composite Pd-Cu Membranes," <i>Desalination</i> , 147:411-416 (2002).
<i>JH</i>	AR2	Shu, J., <i>et al.</i> , "Structurally Stable Pd-Ag Alloy Membranes: Introduction of a Diffusion Barrier," <i>Thin Solid Films</i> , 286:72-79 (1996).

EXAMINER <i>John Lawrence</i>	DATE CONSIDERED 4-27-06
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